UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF RESEARCH AND DEVELOPMENT

SUBJECT: Bibliography for Freedom of Information Act Request EPA-HQ-2015-002690

Presentations

Park, A.-H.P., Ferguson, T.E. "Carbon Negative Biomass Refining System based on Alkaline Hydrothermal Treatment Technology." AIChE Annual Meeting, Minneapolis MN, October 18, 2011.

Ferguson, T.E., Park, A.-H. P. "Carbon Negative Hydrogen Production from Biomass Based on Alkaline Hydrothermal Treatment." AIChE Annual Meeting, Nashville TN, November 11, 2009.

Ferguson, T.E., Park, A.-H.P. "Biomass Conversion to Hydrogen-Rich Product Gas Via Alkaline Hydrothermal Treatment." AIChE Annual Meeting, Salt Lake City, UT, November 9, 2010.

Park, A.-H.P., Ferguson, T.E. "Carbon Negative Biorefining System." SME Annual Meeting, Phoenix AZ, March 3, 2010.

Hansen, N. S.; Cho, D.; Ferguson, T. E.; Park, A. -H. A. "Inorganic Catalytic Nanofibers for the Production of Hydrogen via Alkaline Hydrolysis of Biomass," AIChE annual meeting, Minneapolis, MN, October 16-21, 2011.

Ferguson, T. E.; Park, A. -H. A. "Biomass conversion to hydrogen-rich product gas via alkaline hydrothermal treatment technology." 2011 EPA STAR Graduate Fellowship Conference, Washington, DC, September 19 – 20, 2011. Poster was selected to be presented at Capitol Hill reception with Congressional members in attendance.

Petit, C.; Ferguson, T.E.; Park, Y.; Park, A. -H. A. "Towards the sustainable production of bio-derived hydrogen using an alkaline thermal treatment," ACS Fall Meeting, Philadelphia, PA, August 19-23, 2012.

Ferguson, T. E.; Stonor, M.; Park, A. –H. A. "The conversion of lignocellulosic biomass to high-purity hydrogen at mild reaction conditions via the alkaline thermal treatment technology." RCN Annual Meeting on Carbon Capture Utilization & Storage, New York, NY April 14 – 16, 2014.

Ferguson, T. E.; Park, A. –H. A. "Investigation of reaction pathways and intermediates for the production of high-purity hydrogen via alkaline thermal treatment." AIChE Annual Meeting, San Francisco, CA, November 3 – 8, 2013.

Publications

Hansen, N.S., Ferguson, T.E., Panels, J.E., Park, A.-H.P., Joo, Y.L. "Inorganic nanofibers with tailored placement of nanocrystals for hydrogen production via alkaline hydrolysis of glucose." Nanotechnology, 22 (2011), 1-13. http://m.iopscience.iop.org/0957-4484/22/32/325302

Ferguson, T.E., Park, Y., Petit, C., Park, A.-H.A. "Novel approach to hydrogen production with suppressed COx generation from a model biomass feedstock." Energy & Fuels, 26 (2012), 4486-4496. http://pubs.acs.org/doi/abs/10.1021/ef300653b.